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# KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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JMB 15-05

**AGRICULTURAL NEWS:** Rain continues to be needed statewide to maintain crop development and to improve crop conditions. Crops are starting to lose yield potential due to the lack of soil moisture. The State received scattered rains last week, which helped the crops in some areas, but the State still needs a slow soaking rain. **Topsoil moisture** as of Friday, July 1, was rated 38 percent very short, 46 percent short, and 16 percent adequate. **Subsoil moisture** was rated 29 percent very short, 47 percent short, 23 percent adequate, and 1 percent surplus. With the lack of rain, fieldwork for the week ending July 1, averaged 6.4 days out of a possible 7 days. The majority of fieldwork included cutting weeds, baling and hauling hay, and mowing pastures where needed.

**TOBACCO:** Most of the tobacco crop throughout the State has limited disease presence. The most commonly reported problem affecting the tobacco crop was black shank. Farmers were topping the tobacco that started blooming early. The tobacco condition was rated 3 percent very poor, 11 percent poor, 35 percent fair, 41 percent good, and 10 percent excellent. As of Friday, July 1, 43 percent of transplants were under 12 inches in height, 44 percent 12-24 inches in height, and 13 percent were over 24 inches.

**CORN:** The corn crop in many areas was twisting in the dry 90 degree heat and would benefit from rain. The condition of the corn was rated 2 percent very poor, 7 percent poor, 29 percent fair, 41 percent good, and 21

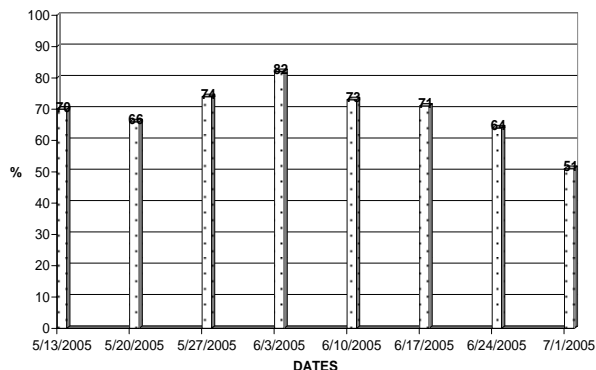
excellent. Forty-two percent of the corn has silked or was silking as of Sunday, July 3, well behind last year's 61 percent, and the 5-year average of 47 percent.

**SOYBEANS:** As of Sunday, July 3, 84 percent of the double-crop soybeans have been planted, the same as last year, and slightly ahead of the 5-year average of 82 percent. Soybeans blooming were at 35 percent, well ahead of last year's 14 percent and the 5-year average of 12 percent. The soybean condition was rated 1 percent very poor, 5 percent poor, 29 percent fair, 44 percent good, and 21 percent excellent. The soybean crop has been least affected by the dry weather, but recently planted double-crop soybeans need rain soon for germination and growth.

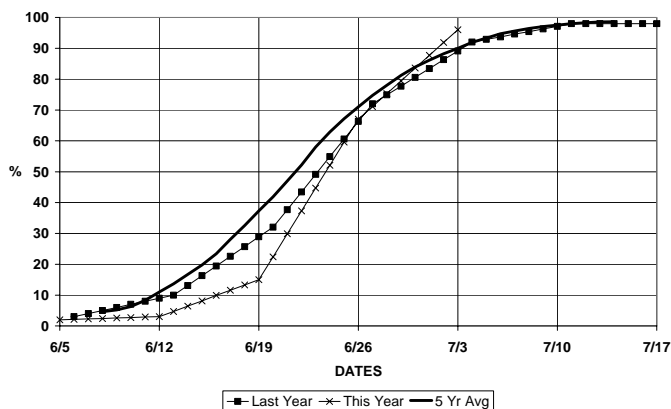
**SMALL GRAINS:** Wheat harvested was 96 percent completed as of Sunday, July 3, well ahead of last year's 89 percent, and the average of 90 percent. Farmers had good harvest weather and continue to report good wheat yields.

**OTHER CROPS:** The clear weather allowed farmers plenty of opportunity to bale and haul hay. The second cutting of hay is poor in both quality and quantity due to the dry weather. Pasture condition is deteriorating, and water and pasture rotation is starting to concern the State's livestock farmers. Pasture conditions as of Friday, July 1 was rated 10 percent very poor, 22 percent poor, 40 percent fair, 25 percent good, and 3 percent excellent.

**BURLEY TOBACCO CONDITION**  
% Good to Excellent



**WHEAT PERCENT HARVESTED**



## KENTUCKY CROP PROGRESS

WEEK ENDING JULY 3, 2005  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Silking	42	61	47	9	4
Soybeans Blooming	35	14	12	0	6
Wheat Harvested	96	89	90	67	48

(NA)Data Not Available.

## SOIL MOISTURE

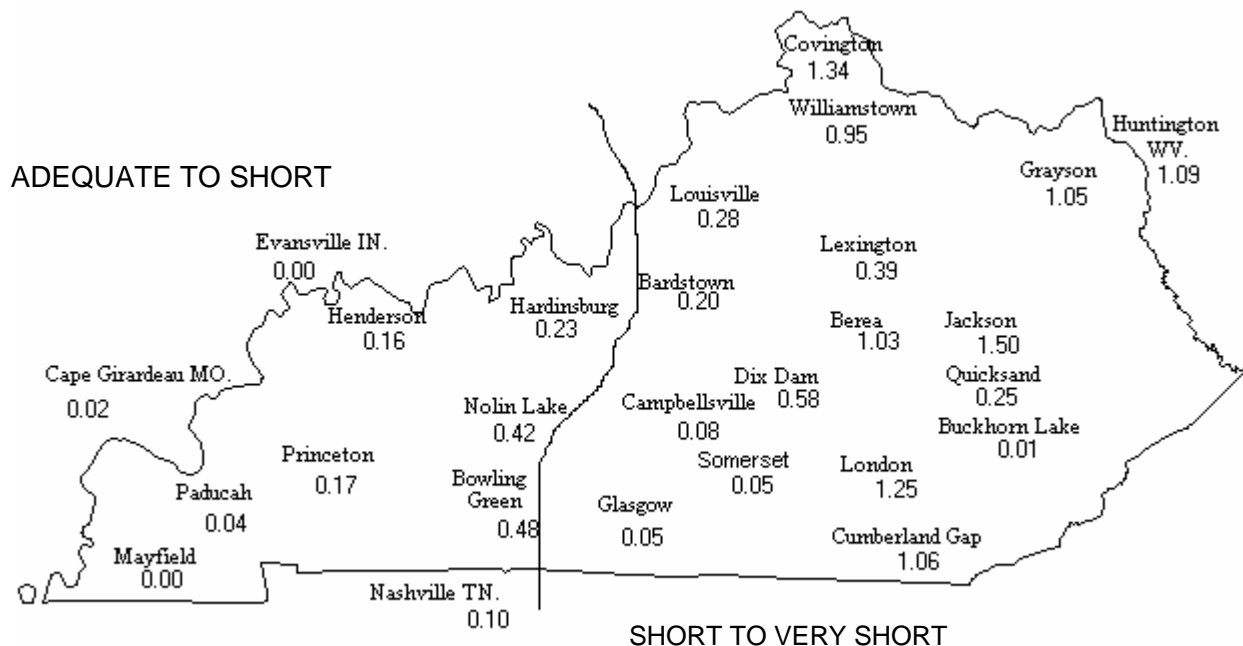
WEEK ENDING JULY 1, 2005  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	38	33
Short	46	41
Adequate	16	25
Surplus	0	1
<b>SUBSOIL</b>		
Very Short	29	18
Short	47	45
Adequate	23	36
Surplus	1	1

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 1, 2005						WEEK ENDING JUNE 24, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	2	7	29	41	21	1	5	23	49	22
Soybeans	1	5	29	44	21	1	3	24	52	20
Pasture	10	22	40	25	3	9	14	40	33	4
Tobacco	3	11	35	41	10	1	8	27	56	8

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 3, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 1, 2005



## **KENTUCKY WEATHER SUMMARY, JUNE 27 – JULY 3, 2005:**

### **Above Normal Temperatures and Below Normal Precipitation**

There was a little bit more rain across Kentucky this week, but not enough to keep areas from entering a mild drought. With dew points near 70 degrees, mornings began hazy and foggy. By afternoon hours, highs were well into the 90's. A heat advisory was issued for counties west of I-65 on Thursday as air temperatures reached the middle 90's and heat indices topped the 100 degree mark. The humidity and moisture did aid in the development of several summer storms during the daytime hours. Some storms did drop as much as an inch of precipitation under them, but they were hit or miss, so many locations were dry this week. Average statewide precipitation has been below normal for 3 consecutive weeks.

Temperatures for the period averaged 80 degrees across the State which was 4 degrees above normal. High temperatures averaged from 91 in the West to 90 in the East. Departure from normal high temperatures ranged from 2 degrees above normal in the West to 5 degrees above normal in the East. Low temperatures averaged from 68 degrees in the West to 68 degrees in the East. Departure from normal low temperature ranged from 3 degrees above normal in the West to 4 degrees above normal in the East. The extreme high temperature was 96 degrees in Glasgow, Paducah, and Princeton. The extreme low temperature was 60 degrees in Paducah. Rainfall for the period totaled 0.47 inches statewide which was 0.50 inches below normal. Precipitation totals by climate division, West 0.06 inches, Central 0.28 inches, Bluegrass 0.74 inches and East 0.78 inches, which was 0.82, 0.72, 0.22 and 0.23 inches respectively below normal. By station, precipitation totals ranged from a low of 0.0 inches at Paducah to a high of 1.50 inches at Jackson.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

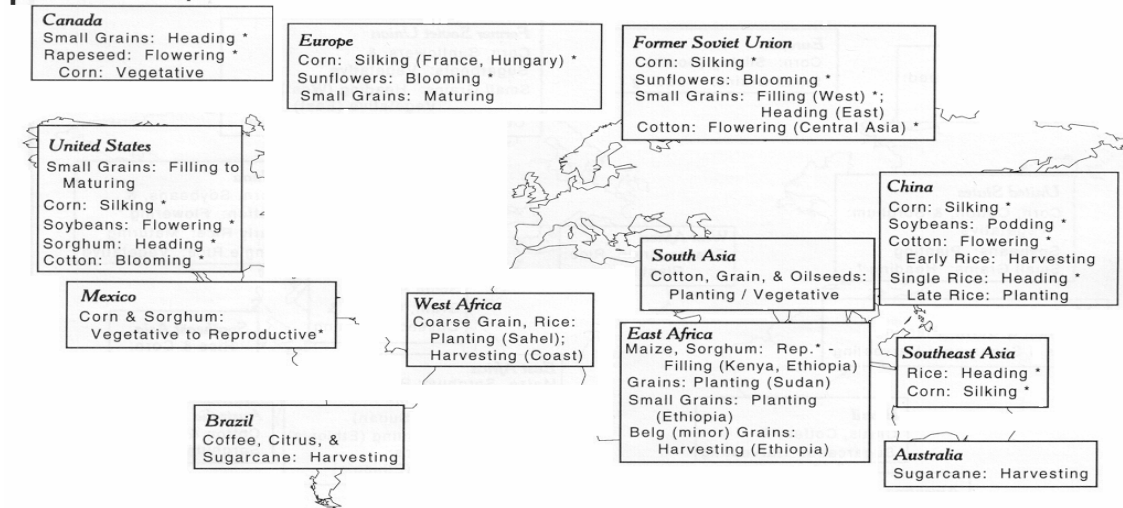
**FOR WEEK ENDING SUNDAY, JULY 3, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.20	11.61	2.34	-0.88	-1.19	94	63	79.0	+4	186	1510	+13
Berea	1.03	9.94	1.86	-3.51	-1.86	94	65	79.6	+5	186	1592	+61
Bowling Green	0.48	10.11	1.49	-3.78	-2.44	95	67	80.9	+6	196	1578	+17
Bristol	1.35	12.23	4.79	+1.07	+1.42	89	63	76.4	+2	177	1386	-17
Buckhorn Lake	0.01	8.30	1.67	-4.18	-2.26	94	64	79.2	+5	187	1513	+173
Cape Girardeau	0.02	11.42	2.96	-2.01	-0.27	95	61	79.7	+3	187	1618	-10
Campbellsville	0.08	11.73	2.36	-2.88	-1.63	94	65	80.1	+5	189	1580	+79
Covington	1.34	8.41	2.88	-3.87	-0.73	94	64	78.6	+4	185	1391	+45
Cumberland Gap	1.06	7.08	1.56	-6.58	-2.50	94	64	79.2	+5	187	1512	+139
Dix Dam	0.58	9.98	1.99	-3.13	-1.55	94	64	79.4	+5	186	1517	+20
Evansville	0.00	9.29	4.56	-3.36	+1.26	94	60	79.7	+3	191	1536	+2
Glasgow	0.05	12.77	2.42	-1.95	-1.93	96	66	81.1	+6	192	1684	+213
Grayson	1.05	9.99	2.01	-2.21	-1.66	94	63	79.2	+5	186	1512	+233
Hardinsburg	0.23	9.64	1.96	-3.79	-1.66	93	64	79.9	+5	191	1552	-9
Henderson	0.16	9.45	1.48	-3.55	-2.07	94	62	79.6	+2	188	1571	+7
Huntington	1.09	9.62	1.75	-2.42	-1.81	96	62	79.4	+5	186	1520	+144
Jackson	1.50	13.95	3.18	+1.04	-0.51	91	65	77.7	+3	186	1544	+204
Lexington	0.39	8.56	2.22	-3.93	-1.31	94	63	79.4	+5	189	1450	+74
London	1.25	11.05	2.48	-1.21	-1.00	91	65	77.9	+3	184	1450	+77
Louisville	0.28	9.94	1.09	-2.81	-2.23	94	63	79.6	+4	189	1504	-30
Mayfield	0.00	7.52	2.45	-6.34	-0.79	94	64	79.5	+2	188	1531	-91
Nashville	0.10	10.66	2.01	-2.54	-1.35	96	70	82.6	+7	201	1688	+30
Nolin Lake	0.42	10.90	1.98	-3.52	-1.78	95	66	80.5	+5	194	1582	+148
Paducah	0.04	8.80	2.96	-5.61	-0.82	96	60	80.4	+3	190	1645	+20
Princeton	0.17	9.31	2.09	-4.72	-1.53	96	62	79.8	+3	186	1662	+68
Quicksand	0.25	11.07	1.71	-1.84	-1.98	94	64	79.2	+5	187	1518	+178
Somerset	0.05	11.20	2.48	-2.93	-1.53	94	65	79.6	+5	191	1491	+27
Spindletop	0.14	6.50	1.33	-5.99	-2.20	94	62	79.1	+4	188	1415	+39
Williamstown	0.95	8.51	2.59	-4.26	-0.99	94	64	79.0	+4	187	1416	+40

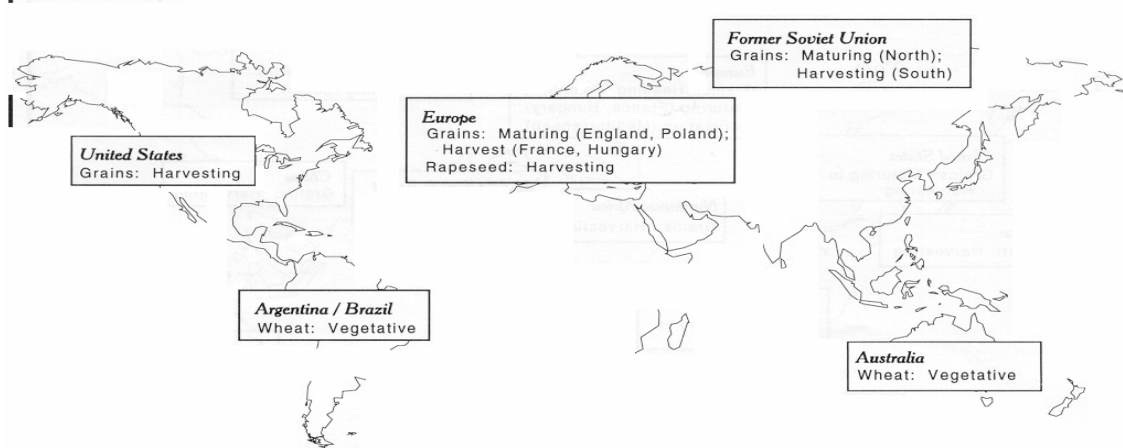
The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

# July normal crop calendar

## Summer crops



## Winter crops



\* Moisture / Temperature Sensitive Stage of Development

JOINT AGRICULTURAL WEATHER FACILITY (NOAA/USDA)

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.